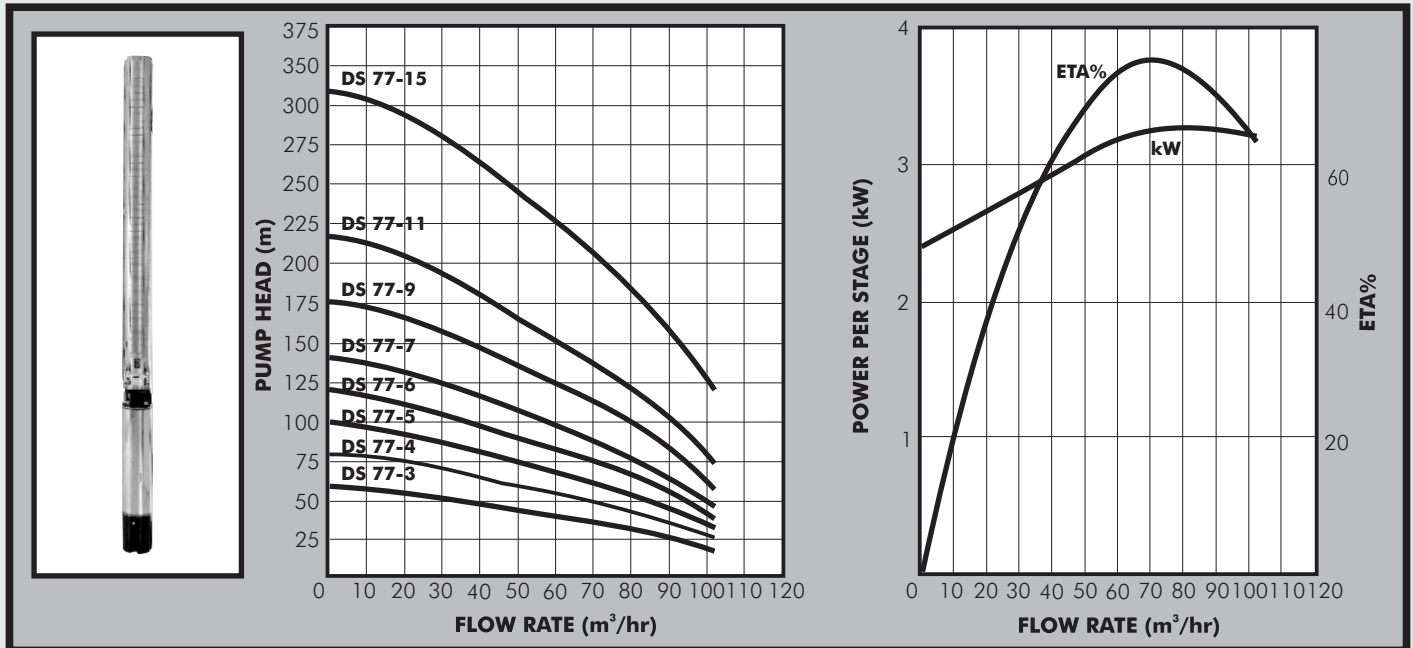




DS77

Multistage Centrifugal Borehole Pumps



PUMP

DAYLIFF DS submersible pumps are designed specifically for borehole supply applications. They are of multistage centrifugal impeller design and all parts are made from premium AISI304 stainless steel with water lubricated rubber bearings. A submersible motor is fitted beneath the pump and suction is effected through a strainer between the pump and motor.

MOTOR

The pump is coupled to a sealed liquid cooled 2-pole asynchronous squirrel cage motor constructed from stainless steel. The motor requires a remote starter and if unstable supply voltage is likely, an additional quick tripping control relay is recommended. Note that due to low starting torques of submersible motors, it is recommended that DOL starters are used. A DAYLIFF SCT electronic pump controller is recommended for comprehensive pump control including low level motor overload and irregular power supply protection.

Enclosure Class: IP68

Insulation Class: F

Volatge: 3x415V

Speed: 2900rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, clean chemically non-aggressive liquids without solid particles or fibres.

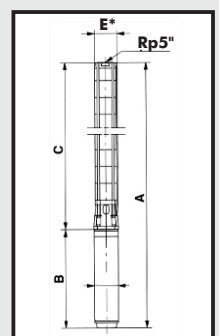
Max. Liquid Temperature: DS wet end -50°C

Max. Water Depth: 300m

Min. Borehole Diameter: 200mm-6"
254mm-8"

PUMP DATA

| Model | Motor Size (") | Motor | | Full Load Current (A) | I start I | Dimensions (mm) | | | | Weight (Kg) |
|----------|----------------|-------|----|-----------------------|-----------|-----------------|------|------|-----|-------------|
| | | kW | HP | | | A | B | C | E* | |
| DS 77-3 | 6 | 11 | 15 | 24.2 | 4.8 | 1604 | 730 | 874 | 178 | 92 |
| DS 77-4 | | 15 | 20 | 32 | 5 | 1788 | 785 | 1003 | | 113 |
| DS 77-5 | | 18.5 | 25 | 40 | 5.5 | 1991 | 860 | 1131 | | 119 |
| DS 77-6 | | 22 | 30 | 47 | 5.1 | 2179 | 920 | 1259 | | 138 |
| DS 77-7 | | 26 | 35 | 56.5 | 5.1 | 2500 | 1157 | 1387 | | 181 |
| DS 77-9 | | 30 | 40 | 64 | 5.7 | 2694 | 1050 | 1644 | | 200 |
| DS 77-11 | | 37 | 50 | 78.5 | 3.7 | 3080 | 1180 | 1900 | | 217 |
| DS 77-15 | 8 | 55 | 75 | 114 | 5.9 | 3400 | 1350 | 2424 | 200 | 269 |



E* = Maximum diameter of the pump inclusive of cable guard and motor